

IN THE CLAIMS

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Technology Center 2600

1 (Previously Presented). A method comprising:

detecting a color characteristic;
detecting motion; and
removing the flesh color from the captured video.

2 (Original). The method of claim 1 including controlling a processor-based system based on the detection of flesh color and the detection of a shape associated with a human being.

3 (Original). The method of claim 2 including determining whether to process image data depending on whether both motion and flesh are detected.

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4 (Original). The method of claim 2 including capturing a frame of video at a time, and determining after capturing each frame whether or not flesh color has been detected.

Claim 5 (Canceled).

6 (Previously Presented). The method of claim 1 including moving an animation object while capturing video and removing the detected flesh color from the captured video.

7 (Original). The method of claim 1 including capturing video of an animation object in a plurality of different positions and automatically removing an image of a user's hand from the captured video.

8 (Previously Presented). An article comprising a medium storing instructions that, if executed, enable a processor-based system to:

detect a color characteristic;
detect motion; and
remove the flesh color from captured video.

9 (Original). The article of claim 8 further storing instructions that enable the processor-based system to be controlled based on the detection of flesh color and the detection of a shape associated with a human being.

10 (Original). The article of claim 9 further storing instructions that enable the processor-based system to determine whether to process image data depending on whether motion and flesh are detected.

11 (Original). The article of claim 9 further storing instructions that enable the processor-based system to capture a frame of video at a time and determine after capturing each frame whether flesh color has been detected.

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Claim 12 (Canceled).

13 (Previously Presented). The article of claim 1 further storing instructions that enable the processor-based system to capture video of an animation object in a plurality of different positions and automatically remove an image of a user's hand from the captured video.

14 (Previously Presented). A system comprising:
a processor; and
a storage coupled to said processor storing instructions that, if executed, enable the processor to detect motion and a color characteristic and remove the color characteristic from captured video.

15 (Original). The system of claim 14 wherein said storage further stores instructions that enable the processor to detect a shape associated with a human being.

16 (Original). The system of claim 14 further storing instructions that enable the processor to determine whether to process image data depending on whether motion and flesh color are detected.

17 (Original). The system of claim 14 including a digital imaging device coupled to said processor.

18 (Currently Amended). A method comprising:

capturing a video image of a speaker;
receiving audio information from the speaker through at least one microphone;
determining the user's position using said captured video image of said speaker;

and

based on the user's position, automatically adjusting a characteristic of the microphone.

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19 (Original). The method of claim 18 including receiving audio information from a pair of microphones and adjusting the sensitivity of the microphones based on the relative positioning of the user with respect to each microphone.

20 (Original). The method of claim 18 including tracking the user's facial position in two dimensions and estimating the user's facial position in a third dimension.

21 (Original). The method of claim 18 including tracking the user's facial position in three dimensions.

22 (Original). The method of claim 18 including using a point of source filter to adjust the audio information received from the user and providing said adjusted audio information to a speech recognition engine.

23 (Currently Amended). A system comprising:

a video capture device to capture ~~for capturing~~ an image of a user;
at least one microphone to capture ~~for capturing~~ speech from said user;
a device to determine the user's position with respect to at least two microphones and to adjust the data from each microphone in response to the user's position relative to each microphone, using the image captured by said video capture device.

24 (Original). The system of claim 23 including a pair of video cameras for capturing an image of said user.

25 (Original). The system of claim 23 including a two dimensional face tracker that locates the user's face in two dimension.

26 (Original). The system of claim 23 including a three dimensional face tracker that locates the user's face in three dimensions.

27 (Original). The system of claim 23 including a point of source filter to adjust the sensitivity of said microphones.

28 (Original). A method comprising:

identifying a color;
identifying motion; and
using identified color and motion to implement background segmentation.

29 (Original). The method of claim 28 including determining areas that are moving of a particular color.

30 (Original). The method of claim 29 including identifying objects that are connected to moving objects of a particular color.